EG&G ER Program Rocky Flats Plant

## ER PROGRAM DATA ASSESSMENT SUMMARY REPORT FORM

Bato	ch No. <u>E89-0724/2n</u>	d Quarter	1989		Site _A	rea 2 - 881	Hillside	
Lab	oratory <u>EG&amp;G 881</u> -	General I	abs		No. of S	amples/M	atrix <u>19/Wat</u>	er
Met	hod <u>L-Procedures</u>			***	Reviewe	er Org. <u>Te</u>	chLaw, Inc.	
	ple Numbers <u>56-86,</u> 0420, 45-87, 62-86, 52				. 2-87, D2-	-87, 3-87, 6	9-86, 8-87, 4-8	37, TB-0420,
			Data A	ssessment	Summar	<b>Y</b>		
		Oil/ Grease	Alkalinity	Chloride	Nitrate/ Nitrite	Sulfide/ Sulfate	Gravimetric	Comments
1.	<b>Holding Times</b>	N/A		<u>v</u>	<u>V</u>	<u>V</u>	A	Action Item 1
2.	Calibrations	<u>N/A</u>	<u>v</u>	_ <u>v</u>	<u></u>	<u> </u>	V	
3.	Blanks	<u>N/A</u>		<u></u>	<u></u>		V	
4.	Lab Control Sample Results	N/A_	<u>V</u>	N/A	N/A	N/A	<u></u>	
5.	Duplicate Sample Results	N/A	<u>V</u>	<u>v</u>	<u>v</u>			
6.	Matrix Spike Sample Results	N/A	N/A	<u>V</u>	<u>V</u>	<u> </u>	N/A	
7.	Sample Verification	N/A	<u>X</u>		<u>v</u>	X		Comments 1-2
8.	Other QC	<u>N/A</u>		<u>v</u>	<u>V</u>	<u>V</u>		Data valid, or
9.	Overall Assessment	<u>N/A</u>	_ <u>v</u>	_v	_ <u>v</u> _	<u>v</u>	_A	acceptable with qualifications
	<ul> <li>V = Data had no problems.</li> <li>A = Data acceptable but qualif</li> <li>R = Data rejected.</li> <li>X = Problems, but do not affect</li> </ul>	•	ems.				N/A = Not appl	licable.
Data	a Quality: Data containe	ed in this bat	ch were revie	wed and four	nd to be valid	d, or acceptab	ole with qualificati	ons. Acceptable,
<u>quali</u>	fied data may be used prov	ided that ind	ividual values	impacted by	the "Action	Items" listed	l below are appror	oriately flagged.
(Refe	er to attached Results Sumr	nary Tables)	•					
					AD	MIN REC	***************************************	ED FOR CLASSIFICATION

By Forge H. Setlos Date W 6/27/90

A-GUC1-000045

890724/eg07j

7011090

Action Items: 1) All TDS values are estimated (J) and non	-detects are estimated and undetected (UJ) because
holding times were exceeded.	
Comments: _1) Alkalinity values for 2-87 and D2-87 were	reported incorrectly; the correct values appear in
the Summary Table.	
•	
2) The Sulfate value for 4-87 was not averaged; data was n	ot affected and no action was taken.
N. D. G	
Note: Data Summary Tables are attached.	1
Reviewer Signature	3/29/90
Reviewer Signature	Date

## WATER QUALITY PARAMETERS

SITE NAME: E89-0724/2nd Quarter 1989

AQUEOUS ANALYSIS: Low Water

ANALYTICAL RESULTS (mg/L)

Page 1 of 2

Sample Location					П		H		Н		Н					П		
Sample Number	98-99	70-86		2-87		TB-0418	4	FB-0418		2-87	۵	D2-87	3-87	,	98-69		8-87	
Sample Date	04/13/89	04/13/89		04/13/89		04/18/89	8	04/18/89	ጿ	04/18/89	4	04/18/89	04/18/89	39	04/18/89	_	04/18/89	
Remarks						Trip Blank	ΙĔ	Field Blank			Δ	Duplicate						
Water Quality DL					-				_		_							
Analyte mg/L	g		8		8	1	8	J	8	8		g		DO		g		g
Alkalinity									-									
Bicarbonate 10	10 44.6 V		1	496	۷	1.0 W	A 1.0	1.0 W	A 372	72 V	374	>	200 ി	A	353	<u>ر</u>	323	>
Carbonate 10		1.0	>								_							
	5 41.6J A	40.6J	¥	260 J	4	2.0 W	A 2.0	2.0 W	90 V	90.4J A	90.1 J	1J A	103 J	¥	117.3	<b>V</b>	41.7 J	∢
Dissolved Oxygen 0.5											H							
Grease & Oil 5									Н		H							
Hexavalent Chromium 0.01																		
Nitrate/Nitrite 5	2.67 J A		∢	8.78 J	∀	0.02 UJ	A 0.0	0.02 tu		0.02 W A		3	0.03 J	٧	2.14 J	٧	0.02 UJ	∢
Sulfate 5	5 14.2 V	44.7	>	630		1.0 U			V   78.9		79.3	>	3.68		332		395	>
Suffide									-		L					-		
	5 195J A	222 J	A	1697 J	٧	5.0 W	A 5.0	2.0 W	A 64	640 J	615 J	Υ ۲	393 J	٨	1005 J	۷ ا	1334 J	۷
TSS 10																		
Hd							Н											
SITE NAME:	JAME:																	
SOIL ANALYSIS:	YSIS:							⋖	MAL	YTICAL F	REST.	ANALYTICAL RESULTS (mg/Kg)	Κg					
Sample Location									-		Ц							
Sample Number											Ц							
Sample Date									Н									
Percent Solids									$\dashv$									
Water Quality DL											_							
Analyte mg/Kg							-		4		4							
Chloride 60							-		-		_							
Grease & Oil 60									-									
Hexavalent Chromium 1									$\vdash$									
Nitrate/Nitrite 60									-									
Sulfate 60																		
Suffide 4									$\dashv$		Н							
H <sub>d</sub> .																	-	
									-									
							_											

U Indicates the compound was not detected above the instrument Quantitation Limit

J Quantitation is approximate due to limitations identified during the quality control review mg/Kg Milligrams per Kilogram

E Exceeds Calibration Range DL Detection Limit N/R Not Reported

TSS is Total Suspended Solids mg/L is Milligrams per Liter TDS is Total Dissolved Solids

DQ Data Qualifier V Valid

Acceptable with qualifications

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## WATER QUALITY PARAMETERS

E89-0724/2nd Quarter 1989

SITE NAME: Area 2 - 881 Hillside AQUEOUS ANALYSIS: Low Water

Page 2 of 2

ANALYTICAL RESULTS (mg/L)

Sample Number         4-87         TR-0420         FR-04200         4-6-87         FR-04200         FR-04200         PR-04200-99         OHZ-0699         OHZ-06999         OHZ-06999         OHZ-06999	Sample Location															
Diago	Sample Number	4-87		TB-0420	T	FB-0420	45-87		62-86		52-87	TB-0425	T	FB-0425	9-74	
Sample   Trip Blank   Field	ample Date	04/18/8	6	04/20/89	0	4/20/89	04/20/89		04/20/89	Ť	34/20/89	04/25/89	ľ	14/25/89	04/25/89	
Name	emarks			Trip Blank	۳	ield Blank	L					Trip Blank	Ť	Field Blank		
y consider         mg/L bit with the land of t		_														
State   10   St7   V   1.0 U   V   254   V   113   V   461   V   1.0 U   V			g		g	۵	C	g		g	8		g	8	8	
State   10   387   V   1.0 U   V   254   V   113   V   461   V   10 U   V   V   V   V   V   V   V   V   V													T			
Signature	=	387	>	1.0 U				ı	113	Г		1.0 U	Г	V U0.1	234 V	
Solitario		_							96.9	>			T			
Solidaria		1197		2.0 J			П		29.1			2.0 J	Т	A L0.	385J A	
Secondary		10											П			
STE NAME: SOIL ANALYSIS:   SOIL ANALYS					H					l			T			
SITE NAME:   Sizes   A   0.02 LM   A   0.0					$\vdash$								1			
Size		7.95	i T	0.02 WJ	1	3	1		2.27 J	-			1	4		
SITE NAME:   SOIL ANALYSIS:   South a   Sout		823	į .	1.0 U	1		ļ		52.3	I		1		>	239 \	
SITE NAME:   SOIL ANALYSIS:   Solids					H											
SITE NAME:  SOIL ANALYSIS:  Location Number Date Solids Date Solids Number Solids Date Solids Number Solids Number Solids Number Solids Number Solids		885 J		5.0 W			I	I	277.J			5.0 W	1	A WO.	1701 J	
SITE NAME:   SOIL ANALYSIS:													Т			
SITE NAME:  SOIL ANALYSIS:  Location  Number  Date  Solids  Solids  Number  Date  Solids  Solids  Solids  Hality  Back  Solids  Solids  Solids  A Solids  Back  Ba													T			
SOIL ANALYSIS:	SITE	NAME:														
Location         Location           Number         Number           Date         Solids           Solids         DL           Puality         mg/Kg           Solids         Solids           Inality         mg/Kg           Solids         Solids           Subject to the continum of the co	SOIL ANAI	YSIS:								ANA	LYTICAL R	ESULTS (	A S	(Đ		
Location Number Date Solids Solids Puality Reality A Oil Bert Chromium Vitrite																_
Number Date Solids Auality 8 Oil Bert Chromium Vitrite	mple Location												_			
Date Solids huality 8 Oil ent Chromium vitrite	mple Number															
Solids huality  & Oil ent Chromium viirrite	mple Date				H					T			I			
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J Quartitation is approximate due to limitations identified during the quality control review U Indicates the compound was not detected above the Instrument Quantitation Limit

890724/eg07j

TDS is Total Dissolved Solids TSS is Total Suspended Solids mg/L is Milligrams per Liter mg/kg Milligrams per Kilogram
E Exceeds Calibration Range
DL Detection Limit
N/R Not Reported

Acceptable with qualifications Rejected DO Data Qualifier
V Valid
A Acceptable with
R Rejected